

## REPLACEMENT DRAWINGS



Stokesia Vernonia Crepis	1	50
	~~~~~	~~~~~
	TTATGAAAGC	GTAGGTTTTG GGTGTCGGTG AGATCAGTGT
	TCGATCGGTG	TCGATCAAT TCAAATCGAC GAACACGAAA
	~~~~~	~~~~~
Stokesia Vernonia Crepis	51	100
	TCGACCGAAA	TCCAACGCAT TTTCTAATTT GGATTTCAGA AATCTGGGAG
	TCGAACTCAA	CAATTCAAAT CTGGAAATAT TAATTGGATC AAGCGGGCGG
	~~~~~	~~~~~
Stokesia Vernonia Crepis	101	150
	AAGGTAGCAG	AATGTCGGAT TCATATGATG ATC..... ....GAATG
	A...TATGAT	GATGTCGGAT TCATGTGATG ATCATGATCA GCTGGTGAAA
	ttgaccataa	atcatttatac aacatgggtg ccggcggtcg tggtcggaca
Stokesia Vernonia Crepis	151	200
	AAAGATCATG	ATATGGACGA ACGAGCCCCG ATTGATCCGG CGCCATTCTC
	GATGATCATA	ATATAAACGA ACGTGCACCG GTTGATGCGG CACCATTCTC
	tcggaaaaat	cggtcatgga acgtgtctca gttgatccag taaccctctc
Stokesia Vernonia Crepis	201	250
	GTAAAGTGAT	CTAAAGAAAG CAATCCCTGC ACATTGCTTC CGGCGATCCG
	GTAAAGCGAT	CTAAAGAAAG CAATCCCTCC GCATTGCTTC CAGCGATCTG
	actgagtgaa	ttgaagcaag caatccctcc ccattgcttc cagagatctg
Stokesia Vernonia Crepis	251	300
	CCGCTGGTC	ATCCTGCTAC GTAGTTCAAGG ATCTCATTAT CACCTTCCTT
	CCATCCGTT	ATCGTGCTAC GTTGTTCAGG ATCTCATTAT TACCTTCCTT
	taatccgctc	atcttactat gttgttcaag atctcattat tgcctacatc
Stokesia Vernonia Crepis	301	350
	TTATACACGG	TCGCCAACAC CTACATTCCCT CACCTCCCTC CTCCTCTAGT
	TTATACACGC	TCGCCAACTC TTACATTCCCT CTTCTTCCTC CTCCTCTACC
	ttctacttcc	ttgccaacac atatatccct acttttccta cttagtcttagc
Stokesia Vernonia Crepis	351	400
	TTACTTAGCA	TGGCCGGTTT ACTGGTTTTG CCAATCTTGC ATCCTCACTG
	TTACTTAGCA	TGGCCTGTTT ACTGGTTTTG CCAATCTTCG ATCCTCACTG
	ctacttagct	tggccggttt actggttctg tcaagcttagc gtcctcactg
Stokesia Vernonia Crepis	401	450
	GTTTATGGGT	CCTCGGCCAT GAATGCGGCC ATCATGCCTT TAGTGAGTAC
	GTTTATGGGT	CATTGGCCAT GAATGTGGCC ATCATGCTTA TAGTGAGTAC
	gcttatggat	cctcggccac gaatgtggtc accatgcctt tagcaactac
Stokesia Vernonia Crepis	451	500
	CAGTGGATTG	ATAACGCCGT TGGATTCGTC CTCCATTCCGG CTCTCCCTCAC
	CAGTGGTTG	ATAACACCCTG TGGATTCATC CTCCATTCCCT TTCTTCTCAC
	acatggttt	acgacactgt gggcttcatc ctccactcat ttctcctcac
Stokesia Vernonia Crepis	501	550
	CCCTTACTTT	TCTTGGAAAT ACAGCCATCG AAAGCACCAC GCAAACACAA
	TCTTGGAAAT	ACAGCCATCG AAAGCACCAC GCAAACACGA

Figure 1A

REPLACEMENT DRAWINGS

Crepis	cccggtatttc tcttggaaat tcagtcacccg gaatcaccat tccaaacacaa
	551
Stokesia	ATTCACTCGA AAACGAGGAA GTTTACATTC CTAGAACTCA GTCCCAGCTC
Vernonia	ATTCACTCGA AAACGAGGAG GTTTACATTC CTAAAGCCAA GTCCCAGCTC
Crepis	gttcgattga taacgatgaa gtttacattc cgaaaagcaa gtccaaactc
	601
Stokesia	AGGACTTACT CCACATACGA ATTTCTTGAC AACACGCCCTG GTCGAATCCT
Vernonia	AGGAATTACT CCAATTCAA ATTTCTTGAC AACACCCCTG GTCGAATCTT
Crepis	ggcgt.... .atctataa acttcttaac aaccacacgt gtcggctgtt
	651
Stokesia	CATCTGGTC ATCATGTTAA CCTTAGGATT TCCTTTATAC CTCTTAACGA
Vernonia	CATTTGCTT ATCATGTTGA CCTTGGGCTT TCCTTTATAC CTCTTGACCA
Crepis	ggttttgatt atcatgttca ccctaggatt tcctttatac ctcttgacaa
	701
Stokesia	ATGTTTCAGG CAAGAAAGTAC GATAGATTAA CCAACCACTT TGATCCATTG
Vernonia	ATATTCAGG CAAGAAATAC CAAAGGTTTG CCAACCACTT TGATCCGTTG
Crepis	atatttccgg caagaaatac gacaggttt ccaaccaactt cgaccccatg
	751
Stokesia	AGCCCCGATCT TCACCGAGCG TGAGCGAATC CAGGTTGCGT TATCAGATCT
Vernonia	AGCCCCATCT TCAGTGAGCG TGAACGAATC CAGGTCGTGC TATCGGATGT
Crepis	agtccaaattt tcaaagaacg tgacgggttt caggtcttcc tttcgatct
	801
Stokesia	TGGTATCGTT GCAGTGTTT ACGGACTCAA GTTTCTTGTA CAAACAAAAG
Vernonia	GGGTCTCATTT GCTGTGTTT ACGGGCTTAA GTTTCTTGTA GCGAAAAAAAG
Crepis	tggctttctt gccgtgtttt atgaaattaa agttgctgta gcaaataaaag
	851
Stokesia	GATTTGGTTG GGTGATGTGC ATGTATGGAG TTCCAGTGAT AGGTCTGAAT
Vernonia	GGTCGGTTG GGTAATGCGC ATGTACGGAG CCCCAGTGGT TGGGCTGAAT
Crepis	gagctgcttg ggtagcgtgc atgtatggag ttccggattt aggcttattt
	901
Stokesia	TCCTTCATTA TCGTAATCAC TTATCTGCAC CACACACATC TGTCGTCACC
Vernonia	GCCTTCATAA TAATGATCAC TTATCTCCAC CACACCCATC TGTCTTCGCC
Crepis	accttttctg atgtgatcac cttcttgcac cacacccatc agtcgtcgcc
	951
Stokesia	CCATTACGAT TCAACCGAAT GGAACTGGAT CAAAGGAGCC TTGACCACAA
Vernonia	TCATTACGAT TCGACCGAAT GGAACTGGAT CAAAGGAGCC TTGACTACAA
Crepis	tcattatgt tcaactgaat ggaactggat cagaggggcc ttgtcagcaa
	1001
Stokesia	TCGACAGAGA TTTCGGTCTC CTGAATCGGG TTTCCACGA CGTTACACAC
Vernonia	TCGATAGAGA TTTCGGTCTC CTGAATAGGG TGTTCATGA CGTCACTCAC
Crepis	tcgatagggc cttggattc ctgaatagtg tttccatga tgttacacac
	1051
Stokesia	ACCCACGTGT TGCACCATT GTTCCCTAC ATTCCACATT ATCATGCAAA
Vernonia	ACACACGTGT TGCATCATT GTTCCCGTAC ATTCCACATT ATCATGCAAA

Figure 1B

# REPLACEMENT DRAWINGS

Crepis	actcatgtca tgcatcattt gtttcatac attccacact atcatgcaaa	
Stokesia	1101	1150
Vernonia	GGAGGCCAAGC GAGGCCATCA AGCCAATCTT GGGTGATTAC AGGATGATCG	
Crepis	GGAGGCGAGC GACGCAATAA AGCCGGTGTT AGGGGAGTAT CGGATGATCG	
	ggaggcaagg gatcaatca agccaatctt gggcgacttt tataatgatcg	
Stokesia	1151	1200
Vernonia	ACAGGACTCC ATTTTCAAA GCAATGTGGA GAGAGGCCAA GGAATGCATT	
Crepis	ATAGGACTCC GTTTACAAA GCAATGTGGA GAGAGGCCAA GGAATGCATC	
	acaggactcc aattttaaaa gcaatgtgga gagagggcag ggagtgcatt	
Stokesia	1201	1250
Vernonia	TACATCGAGC AAGATGCAGA CAGCAAGCAC AAAGGGACAT ATTGGTACCA	
Crepis	TACATCGAGC CAGATGAAGA TAAGAAGCAC AAAGGTGTAT ATTGGTACCA	
	tacatcgagc ctgat..... agcaagctc aaaggtgttt attggatata	
Stokesia	1251	1300
Vernonia	TAAAATGTAA TCGATGATGG AGTTTAGTTG GAAATAATGA CATGCAGCAT	
Crepis	TAAAATGTGA TACGAGCTGA GTACGTAGTA CGTTGTATGC TTTTGTAAACG	
	taaatttgta tcatatgcaa aatgcacatg cattttcaaa ccctctagtt	
Stokesia	1301	1350
Vernonia	CCCTTTGTAA TGCTTGAATC GTTCTATTTC TTTATATGTT TTGTAAGATA	
Crepis	TTTGTAAGA TAAATAAATA AATCTTGAAT GAAGATAAAA AAAAAAAA	
	acgtttgttc tatgtataat aaaccgcgg tcctttggtt gactatgcct	
Stokesia	1351	1400
Vernonia	AATAAGTAAA TCTTGAGTG AAGATGGGA GCAGGAAACA AGCAGAATAT	
Crepis	AAAAAAA AAAAAA~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~	
	aagccaggcg aaacagttaa ataatatcg gttatgtgt aatgaaagta	
Stokesia	1401	1450
Vernonia	AATACGCTAA AAAAAAAA AAAAAAAA AAAAAAAA~~~ ~~~~~	
Crepis	~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~	
	tgtggttgtc tggtttgtt gctatgaaag aaagtatgtg gttgtcggtc	

Figure 1C

REPLACEMENT DRAWINGS

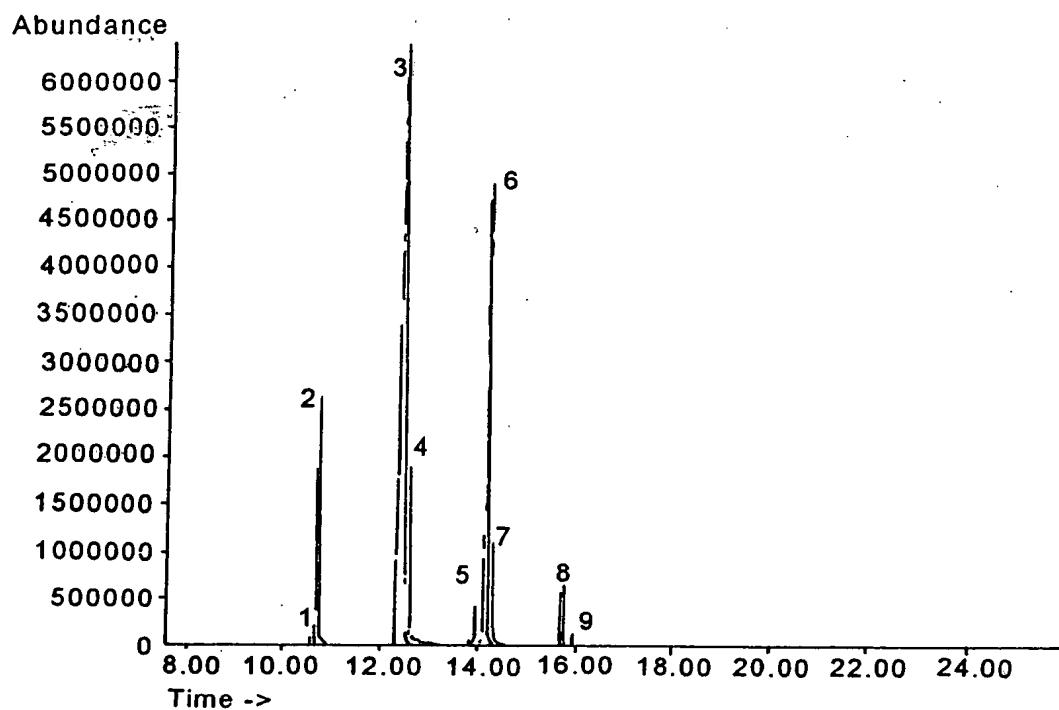


Figure 2A

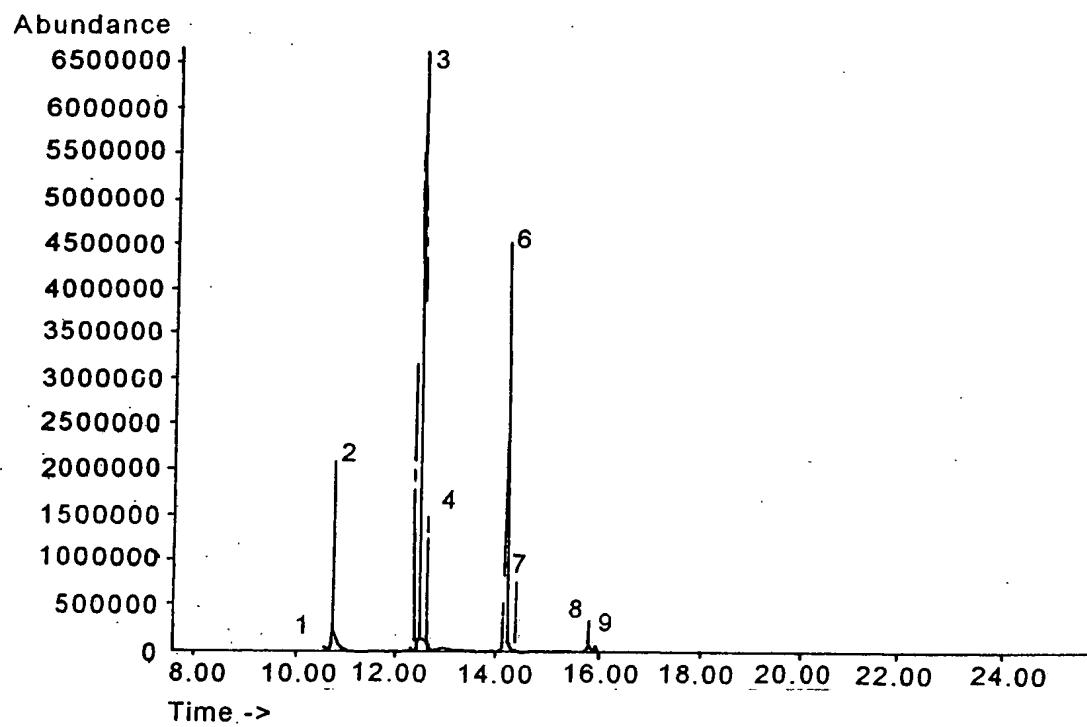


Figure 2B

REPLACEMENT DRAWINGS

Figure 2C

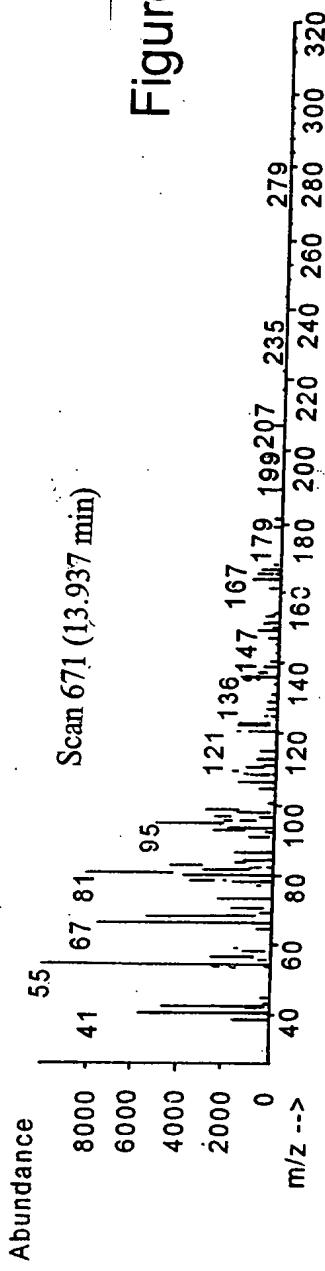
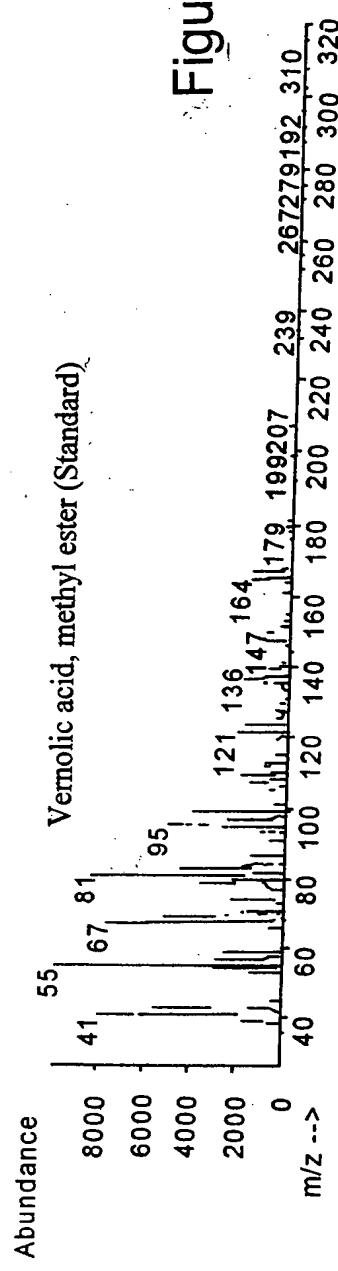


Figure 2D



REPLACEMENT DRAWINGS

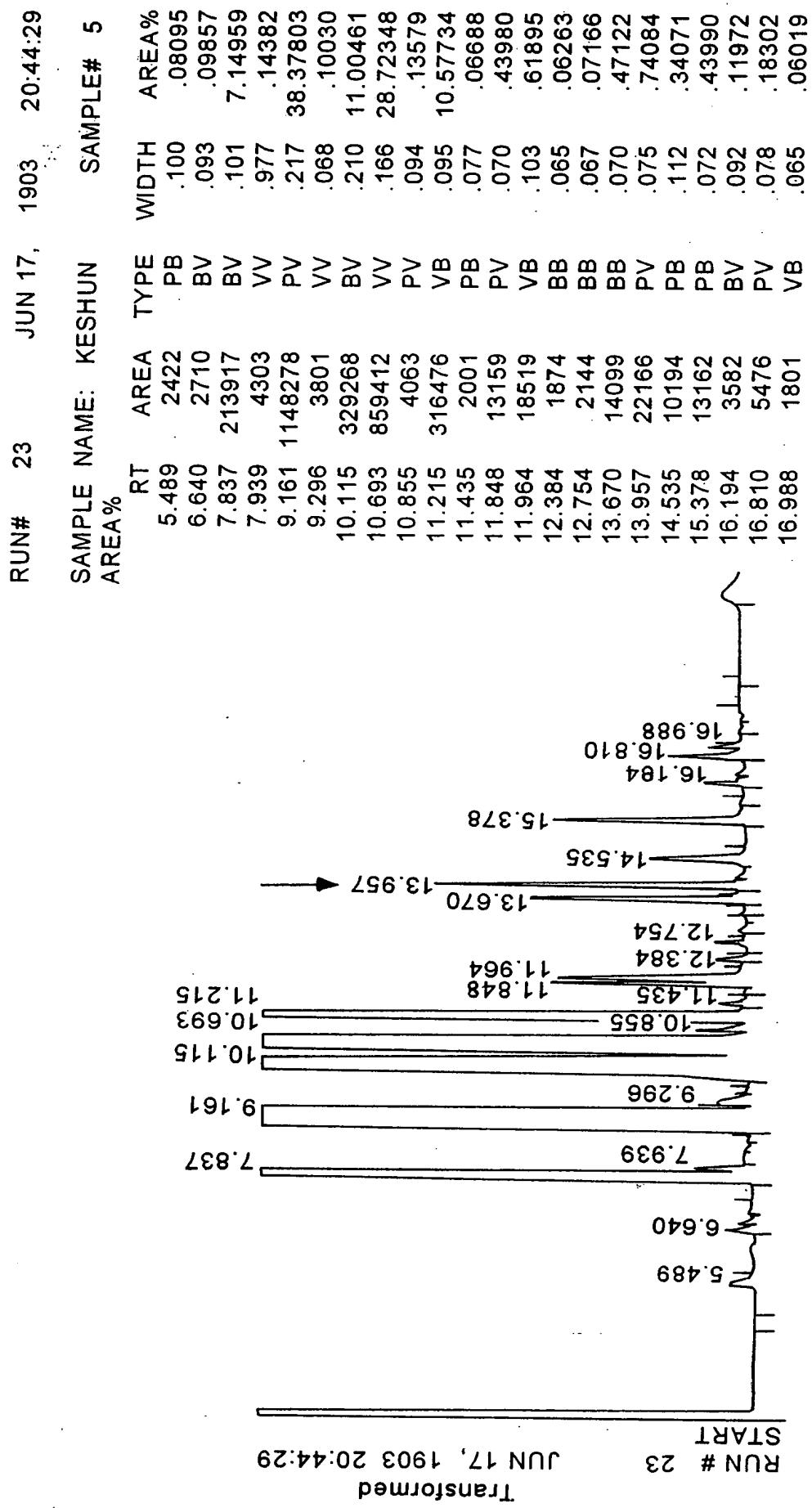
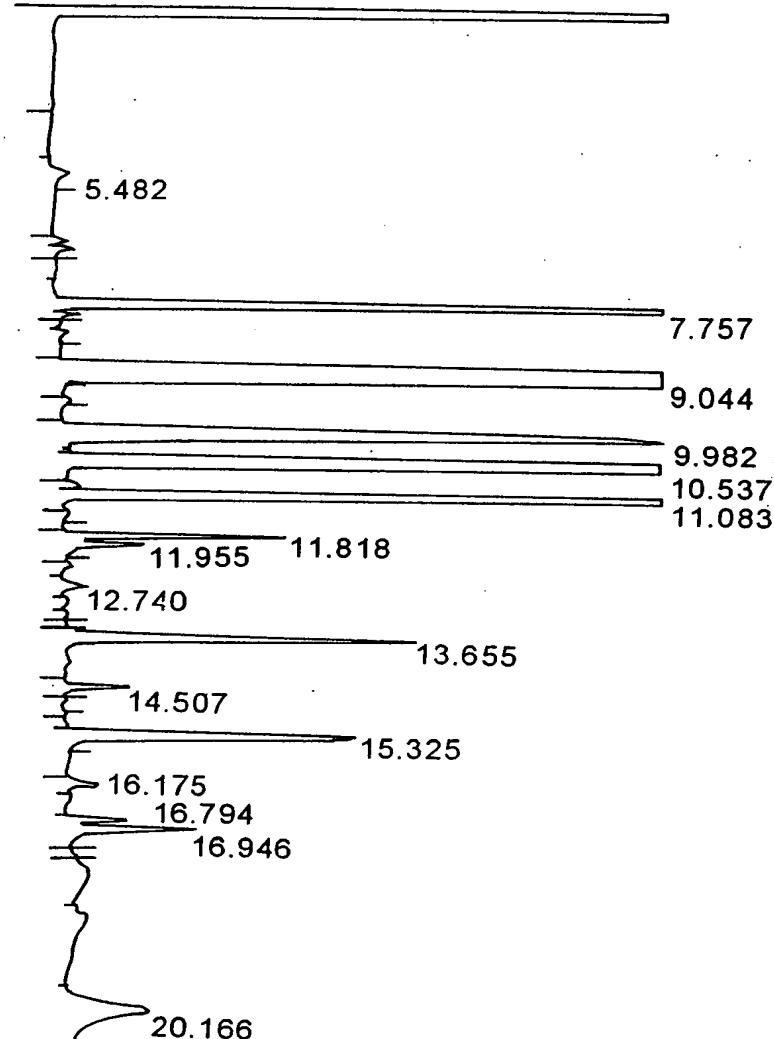


Figure 3A

Control  
 RUN # 40 JUN 18, 1903 13:06:19  
 START



SAMPLE #	NAME: KESHUN	SAMPLE#	22	
RT	AREA	TYPE	WIDTH	AREA%
5.482	1623	PB	.111	.12355
7.757	62778	PB	.872	4.77838
9.044	632452	BB	.160	48.14558
9.982	33871	PV	.151	6.38469
10.537	309578	PB	.104	23.56668
11.083	101892	VB	.085	7.75655
11.818	12575	PY	.073	.95727
11.955	7326	VB	.117	.55769
12.740	1637	PP	.081	.12462
13.655	23464	BB	.086	1.78620
14.507	4169	BB	.082	.31737
15.325	32289	PB	.141	2.45801
16.175	2902	PV	.105	.22092
16.794	3350	PV	.071	.25502
16.946	11639	VB	.118	.88602
20.166	22089	PH	.354	1.68153

TOTAL AREA=1313626  
 MUL FACTOR=1.0000E+00

Figure 3B